Aur Jan 13 Cur, - 7 + Estherville. Emmet Co., Down. January 7, 1882. Dr. Engelmann:-My dear Bir, I send with this a few more specimens of the Sagitlarge, as I offered to do, but the number is smalle Han it should be owning to, my collecting but a small supply. However it is where I com conveniently study and collect it in the future. During the last week in December I was at # my home in the eastern part of the county and, while there, out a hole in the ree, and with a hoe epplored for tubers and stolows, but

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were all alwe, and the leaves to seemed to be as creen as in the fall. I send two of the the plants as I dry them out (# +18) So it feasible that these flant forms stolons m the early fart of summe and that the roots and tufts of leaves which ore se abundont around The flowering flants and now having no connecteur to the forms flams, live through the winter and flower the neph season! as I said before there are quite a number of these tufts of leaves growing near the flowering flants, Auch skeme I will.





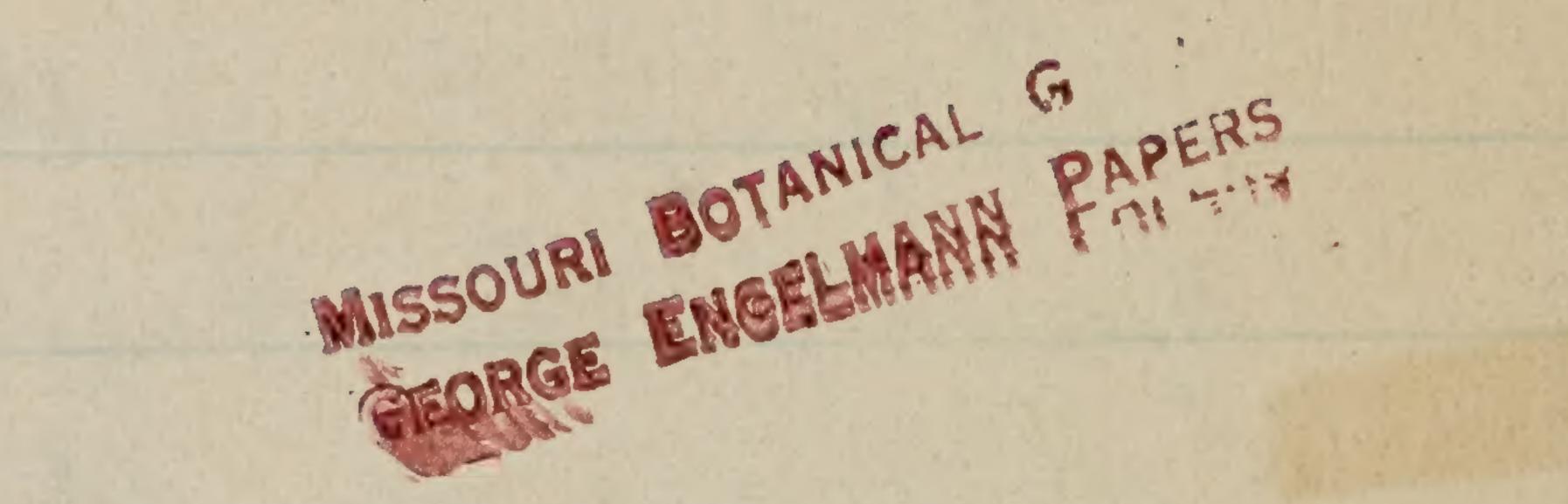
is the only other species I have ever seen here. I skutt would like to send you living roots, if it it can be done by I mail, m the spring If I could find tubers it oveld of course be u eæely deni. Prif. J. C. arthur of Charles Aly reports Sigrammen ers growing in this state, but Have never seen 12. I shall be clad to live up any Jonets in regard to the flant which can only be learned in thefuld. and shall be fleased To hear from your at my their regarding 12. Rispectfully.

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Rec April 6 Estherville, Emmet Con Towar. April 1st. 1882. Dr. Engelman; - Dear sir, dhave just returned from the eastern part of the county; and while there, the ice having just gone out of the fonds, I took a boat and searched for roots or tubers of pagittaria cristata. I com nous answer, definilely I thuils, in regard to its manner of propagating. The little trifts of leaves were in some cases quite green, but were all decaying rapidly, while new ones were preparing to ful forth leaves. I send you with this a fackage containing a half dizen tubers or roots - whichever they are. which when sent were in perfect condition, and I hape may reach you in perfect order. Attached to some of there are the long stems which connected them with the faring flant, which seeved to have en tirely decayed. These stolms must form mearly autumn and this little tights of leaves after make their affearance. The root (3) has semething of the character of a tuber, and must have formed very late in the autumn as they



are certainly larger than they were earlier in the season when I collected The roots sent should be Staced in a mifture of sand and soil - the farts are about even where they green and the whole be concred with tou or twelve mohrs of water-especially at flowering trine. I hope you may have success in making their grow, Blease let me know whether they reach you morder Yours respectfully, MISSUURI DOLL. GEORGE ENGELMANN PAPERS MISSOURI BOTANICAL copyright reserved cm GARDEN